


Geophysics 2002 Agenda


Monday, 4/15				
Time	Exhibits	General Session	Focused Workshops	
8:30	Exhibit Setup			
9:00				
10:00				
10:30				
11:00				
11:30				
12:00	Exhibits Open	REGISTRATION BEGINS (LOBBY)		
12:30				
1:00				
1:30				
2:00		Chairman's Welcome & Keynote Speaker		
2:30		Break		
3:00		GEOPHYSICAL & NDT OVERVIEW		
3:30		A protocol for selecting appropriate geophysical surveying tools based on engineering objectives and site characteristics - Neil Anderson		
4:00		Electrical Resistivity Techniques for Subsurface Investigation - Steve Cardimona		
4:30		Case Studies in Pile Dynamic analysis (PDA) - Suzanne McNaughton		
5:00	Close of Day			
6:00	Icebreaker Reception			
Tuesday, 4/16				
Time	Exhibits	General Session	Focused Workshops	
8:30	Exhibits	GPR & EM Subsurface Investigation Using Ground Penetrating Radar - Steve Cardimona	Applied Geophysics For Site Characterization And Non-Destructive Testing For Highway Engineers - Richard C. Benson, Technos, Inc. and Larry Olson, Olson Engineering, Inc.	Electromagnetic Geophysical Instrumentation for Environmental Engineering and Geotechnical Applications - Mike Catalano, Geonics Ltd.
9:00		GPR as a tool for detecting problems in highway-related construction - Scott Lewis		


9:30		Enhancing Geotechnical Information with the GPR - Marc Fish		
10:00		Break		
10:30		Efficient large-scale underground utility mapping using a new multi-channel GPR system - Ralf Birken		
11:00		GPR and EM Surveys to detect and map peat and permafrost - Roark Smith		Advances in Automated Refraction Velocity Analysis Using Simulated Annealing - Bill Honjas & Satish Pullamannappallil, Optim LLC
11:30		Preliminary results of cavity mapping using EM induction - Momoh Mallah		
12:00	Lunch			
12:30				
1:00				
1:30	Exhibits Open	Determination of granular material deposit volumes - Steve Cardimona	Use Of Seismic And Sonic Methods In Nondestructive Evaluation Of Transportation Infrastructure - Dr. Soheil Nazarian	Resistivity Imaging Workshop - Mats Lagmanson, Advanced Geosciences, Inc.
2:00		GPR: A tool for monitoring bridge scour - Neil Anderson		
2:30		Identification and delineation of sinkhole collapse hazards in Florida using GPR and electrical resistivity imaging - Bill Wilson & Michael Garman		
3:00		Break		
3:30		INTEGRATED GEOPHYSICAL METHODS		
		Integrated Geophysical Survey to Characterize the Geologic Setting for the Ise Bay Mouth Highway Project - Tomio Inazaki		
4:00		Geophysical Methods for Mapping Abandoned Mines "Hey! Let's try it!" - Tom Lefchik		

4:30		Non-Invasive Geophysical Methods applied to sanitary landfills: Solid Waste Management unit 059 - Neil Anderson		
5:00	Close of Day			
Wednesday, 4/17				
 Time	Exhibits	General Session	Focused Workshops	
8:30	Exhibits Open	SHALLOW SEISMIC Overview of shallow seismic reflection technique - Neil Anderson	Understanding The Capabilities And Limitations Of NDT For Deep Foundations - Bernie Hertlein	Ground Penetrating Radar For Infrastructure Evaluation - Dr. Peter Annan, Sensors and Software, Inc.
9:00		Collecting shallow CMP seismic data with automatically planted geophones - Kyle Spikes		
9:30		Near surface three component seismic data acquisition - Matthew Ralston		
10:00		Break		
10:30		Seismic refraction interpretation with velocity gradient and depth of investigation - Michael Rucker		
11:00		Seismic Refraction analysis of landslides - Charlie Narwold		
11:30		Repeatability of Seismic Refraction data - Dennison Leeds		
12:00		Lunch		
12:30				
1:00				
1:30	Exhibits Open	High resolution seismic reflection applied to rock and soil subsidence problems - James Cooksley.	High Resolution, Shear-Wave Seismic Reflection For Structure Foundations - John Diehl, GEOVision Inc.	Capacitively-Coupled Resistivity Theory And Practice - Douglas Groom, Geometrics, Inc.
2:00		Synthetic reflection seismic and GPR data: The key to understanding these subsurface imaging techniques - Neil Anderson and Steve Cardimona		

2:30		Geophysical Site characterization: GPR and reflection seismic study of previously mined ground - Tim Newton		
3:00		Break		
		CSL FOR CONCRETE PILES		
3:30		Crosshole Sonic Testing of Cast-in-Drill-Hole (CIDH) Piles - Kim Price		
4:00		Estimate of CIDH Pile concrete compressive strength from cross-hole sonic testing - Zha Jinxing		Automated Seismic Refraction Inversion - Craig Lippus, Geometrics, Inc.
4:30		2D, 3D crosshole sonic tomography (CST) versus crosshole sonic logging (CSL) for drilled shafts - Natasa Mekic-Stall		
5:00	Close of Day			

Thursday, 4/18

 Time	Exhibits	General Session	Focused Workshops	
8:30	Exhibits Open	NDT FOR PILES & PAVEMENT		Refraction Microtremor Analysis for Determination of NEHRP Soil Classification - Bill Honjas & Satish Pullamannappallil, Optim LLC
		NDT of cast and drilled hole piles - Brian Liebich	A Short Introduction to Tomography - Steve Cardimona, Ph.D. University of Missouri-Rolla	
9:00		SPT energy measurements with the PDA - Darin Sjoblom		
9:30		PDA monitoring of piles end bearing on sloping bedrock - Jon Bischoff		
10:00		Break		
10:30		Gamma Density logging of drilled shafts- Observation and interpretations - Michael Rucker		Panel Discussion: Seismic Methods for Foundation Investigations: Selection and Efficacy - Phil Sirles, Moderator
11:00		Two new non-destructive methods to measure scour depth and the depth of unknown foundations - Edward Mercado		

11:30		Non-destructive measurement of layer thickness on newly constructed pavement - Kenneth Maser.		
12:00	Lunch			
12:30				
1:00				
1:30	Exhibits Open	Revision of California test method- Nuclear Gage Calibration - Zha Jinxing.	Assessment Of Karst, Psuedokarst And Its Remediation - Richard C. Benson, Technos, Inc., and James Jussin, Hayward Baker, Inc.	Recent Developments In Ground Penetrating Radar For Pavement And Bridge Deck Evaluation - Francisco A. Romero. Geophysical Survey Systems, Inc. (GSSI)
2:00		Application of the TISAR technique to the investigations of transportation facilities and detection of utilities - Jean-Luc Arsenault		
2:30		Comparison of Back-calculated SASW profiles with results from coring and DCP testing - Vivek Khanna		
3:00		An Investigation on the application of the tomographic resistivity method to concrete structures - Michel Chouteau		
3:30		Break		
4:00		ROCKFALL & LANDSLIDES S.I. Analysis. Stability of landslides - Hernan Perez		
4:30		A comparison of digital imaging and laser scanning technologies for NDT rock mass characterization - John Kemeny		
5:00	Close of Day			
6:30 p.m.	Evening Banquet			
Friday, 4/19				
 Time	Exhibits	General Session	Focused Workshops	
8:30	Exhibits Open	INSTRUMENTATION Construction Vibrations - Justin Henwood		Panel Discussion: Non-Destructive

9:00		An Overview of the Caltrans borehole geophysical logging program - David Hughes		Evaluation of Drilled Shafts - Brian Liebich, Moderator
9:30		An Overview of ROSRINE Geophysical Testing - Clifford Roblee		
10:00		Break		
10:30		Status of the bridge and downhole seismic instrumentation installed through the CalTrans/CDMG project - Pat Hipley	Panel Discussion: Ground Penetrating Radar for Geotechnical Investigation: Current Issues - Phil Sirles, Moderator	
11:00		Recent strong motion data recorded by downhole arrays and modeling using shake program - Vladimir Graizer		
11:30				
12:00	Close of Conference			

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